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January 29, 2009

To: Environmental Protection Agency
Cincinnati Procurement Operations Division
26 West Martin Luther King Drive
Cincinnati, OH 45268

Attention: Ms. Tammy Thomas
Contract Officer

From: Kevin Whitney
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Southwest Research Institute
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San Antonio, Texas 78228-0510

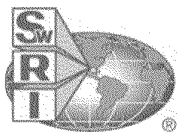
Subject: Work Plan for Work Assignment 1-02, Amendment 1, EPA Contract EP-C-07-028,
under SwRI Project 03.14175, SwRI Proposal No. 03-53263.

Contract Title: "Testing and Related Support for Energy Bill-Mandated Activities"

Assignment Title: "Comprehensive Gasoline Light Duty Exhaust Fuel Effects Test
Program to Cover Multiple Fuel Properties and Two Ambient Test Temperatures"

This amended Work Plan is for the effort to complete Work Assignment (WA) 1-02, Amendment 1, which involves testing vehicles at 50°F. This document amends the original Work Plan as follows:

At EPA's request, the criterion for maintaining 50°F in the test cell during a complete test under Task 3.7 has been relaxed. The test cell will be maintained at 50°F ±2°F at the start of test, and it is expected that the cell will be able to maintain this temperature throughout the first phase of the test cycle. Note that SwRI is not guaranteeing that the current installation will be able to maintain the requested temperature during the first test phase, but we will make a good-faith effort to meet EPA's request. Additionally, no attempt will be made to control test cell humidity. Although EPA has requested that the air coming from blowers in the rear of the test cell be routed to the front of the cell, SwRI has experimentally determined that the currently-installed equipment is not capable of meeting this request. The blowers are not powerful enough to move air through such a long duct. Thus, this work plan and attached cost estimate assume that SwRI will not make any additional modification to the existing 50°F test facility



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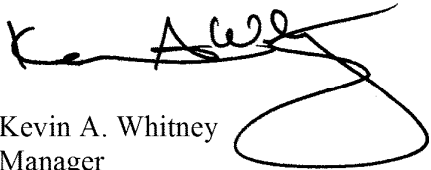
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It should be noted that EPA's requested change in test protocol results in additional level of effort due to the additional time necessary to cool the test cell back down to 50°F (approximately 45 minutes per test) prior to the initiation of each test. Due to the length of the work assignment and the number of staff involved, the additional level of effort due to EPA-requested changes is significant, must be accounted for, and is included in the attached cost estimate.

Under Task 3.7.4 of the work assignment EPA has requested that SwRI measure and report the following compounds using a real-time mass spectrometer: benzene, 1,3-butadiene, total xylenes, ethylbenzene, and toluene. This effort requires calibration of the mass spectrometer for the requested compounds, as well as modification of existing data processing and reporting software. These modifications will take up to a week to complete and verify. The attached cost estimate includes the effort needed to calibrate the mass spectrometer, make modifications to the data template, reprocesses results following modifications, and conduct quality checks on all data.

Southwest Research Institute has responded to Amendment 1 of Work Assignment 1-02. Should any questions of a technical nature arise, please contact Mr. Kevin Whitney at 210-522-5869 or Mr. Patrick Merritt at 210-522-5422. If there are questions regarding cost or contractual issues, please contact Ms. Sherry Twilligear at 210-522-3948. Thank you for this opportunity to be of service.

Prepared by:



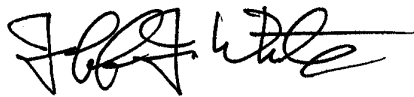
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/tyd

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ATTACHMENT

COST DETAIL FOR WORK ASSIGNMENT 1-02, AMENDMENT 1

Ex. 4 - CBI

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